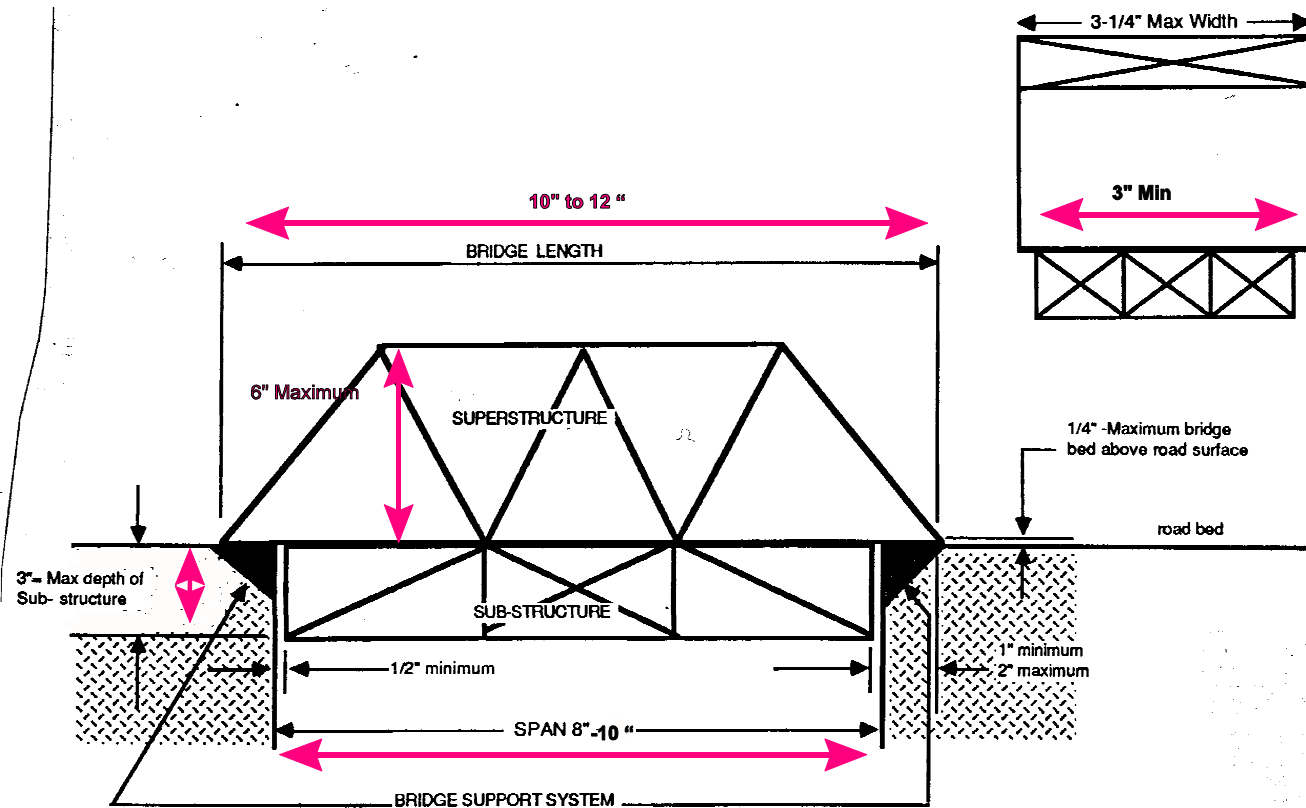


## UDOT Engineering Challenge Bridge Specifications



## UDOT Engineering Challenge Bridge Building Specifications

Specification	Minimum	Maximum
Material	Commercial Toothpicks/ craft sticks. It must be readily apparent to the judges that the only materials used were toothpicks and glue. (Toothpicks/craft sticks will be the standard 2-3" variety) The structure must be <b>substantially</b> constructed of toothpicks	<b>The bridge must not exceed weight SIX OUNCES</b>
Span	8 inches long with a required bearing surface of the road bed to be 1" on each side, or a total minimum of 10 inches.	10 inch span with required 1" on each side for a total of 12 inches
Substructure (if used)	Must start at 1 1/4 inches from bridge ends to allow bridge to sit correctly on bearing surface.	Cannot exceed 3 inches in height
Superstructure (if used)		Cannot exceed 6 inches in height
Bridge Deck (height or thickness)		1/4 inches above road bed
Bridge Deck (width)	3 inches	3 1/4 inches
Glue		No Restrictions on placement of glue. <b>Glue cannot be used as a coating.</b>
Bridge testing hole	There must be a hole approximately 1/2 inch in diameter in the exact center of the bridge deck that allows a 3/8 inch piston to protrude through it so the bridge can be tested.	